

Table K2. - Soil Features

Bedford County, Virginia

Absence of an entry indicates that the feature is not a concern or that data were not estimated.

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
1B: Altavista	---	---	---	---	---	---	---	Moderate	Moderate
Wet spots	---	---	---	---	---	---	---	---	---
2D: Ashe	Bedrock (lithic)	20-40	---	Indurated	---	---	Moderate	Low	High
2E: Ashe	Bedrock (lithic)	20-40	---	Indurated	---	---	Moderate	Low	High
3C: Berks	Bedrock (lithic)	20-40	---	Indurated	---	---	Low	Low	High
	Bedrock (paralithic)	20-40	---	Moderately cemented					
3D: Berks	Bedrock (lithic)	20-40	---	Indurated	---	---	Low	Low	High
	Bedrock (paralithic)	20-40	---	Moderately cemented					
3E:									

Table K2. - Soil Features - Continued

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
3E: Berks	Bedrock (lithic)	20-40	---	Indurated	---	---	Low	Low	High
	Bedrock (paralithic)	20-40	---	Moderately cemented					
4B: Braddock	---	---	---	---	---	---	Moderate	High	Moderate
4C: Braddock	---	---	---	---	---	---	Moderate	High	Moderate
4D: Braddock	---	---	---	---	---	---	Moderate	High	Moderate
5B: Braddock	---	---	---	---	---	---	Moderate	High	Moderate
5C: Braddock	---	---	---	---	---	---	Moderate	High	Moderate
6C: Braddock	---	---	---	---	---	---	Moderate	High	Moderate
6D: Braddock	---	---	---	---	---	---	Moderate	High	Moderate

Table K2. - Soil Features - Continued

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
7B: Cecil	---	---	---	---	---	---	---	High	High
7C: Cecil	---	---	---	---	---	---	---	High	High
8A: Chewacla	---	---	---	---	---	---	---	High	Moderate
Wet spots	---	---	---	---	---	---	---	---	---
9B: Cullen	---	---	---	---	---	---	---	High	Moderate
9C: Cullen	---	---	---	---	---	---	---	High	Moderate
9D: Cullen	---	---	---	---	---	---	---	High	Moderate
10D: DeKalb	Bedrock (lithic)	20-40	---	Indurated	---	---	Low	Low	High
10E: DeKalb	Bedrock (lithic)	20-40	---	Indurated	---	---	Low	Low	High

Table K2. - Soil Features - Continued

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
11C: Edneytown	Bedrock (paralithic)	---	---	Weakly cemented	---	---	Moderate	Moderate	Moderate
11D: Edneytown	Bedrock (paralithic)	---	---	Weakly cemented	---	---	Moderate	Moderate	Moderate
11E: Edneytown	Bedrock (paralithic)	---	---	Weakly cemented	---	---	Moderate	Moderate	Moderate
12C: Edneytown	Bedrock (paralithic)	---	---	Weakly cemented	---	---	Moderate	Moderate	Moderate
12D: Edneytown	Bedrock (paralithic)	---	---	Weakly cemented	---	---	Moderate	Moderate	Moderate
12E: Edneytown	Bedrock (paralithic)	---	---	Weakly cemented	---	---	Moderate	Moderate	Moderate
13D: Edneyville	Bedrock (paralithic)	---	---	Weakly cemented	---	---	Moderate	Low	High
	Bedrock (lithic)	---	---	Indurated					
13E:									

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
13E: Edneyville	Bedrock (paralithic)	---	---	Weakly cemented	---	---	Moderate	Low	High
	Bedrock (lithic)	---	---	Indurated					
14C: Grover	---	---	---	---	---	---	---	Moderate	Moderate
14D: Grover	---	---	---	---	---	---	---	Moderate	Moderate
14E: Grover	---	---	---	---	---	---	---	Moderate	Moderate
15C: Gunstock	Bedrock (paralithic)	20-40	---	Weakly cemented	---	---	Moderate	Low	High
	Bedrock (lithic)	40-60	---	Indurated					
15D: Gunstock	Bedrock (paralithic)	20-40	---	Weakly cemented	---	---	Moderate	Low	High
	Bedrock (lithic)	40-60	---	Indurated					
15E:									

Table K2. - Soil Features - Continued

Bedford County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
15E: Gunstock	Bedrock (paralithic)	20-40	---	Weakly cemented	---	---	Moderate	Low	High
	Bedrock (lithic)	40-60	---	Indurated					
16B: Hayesville	---	---	---	---	---	---	Moderate	Moderate	Moderate
16C: Hayesville	---	---	---	---	---	---	Moderate	Moderate	Moderate
16D: Hayesville	---	---	---	---	---	---	Moderate	Moderate	Moderate
16E: Hayesville	---	---	---	---	---	---	Moderate	Moderate	Moderate
17C: Hayesville	---	---	---	---	---	---	Moderate	Moderate	Moderate
17D: Hayesville	---	---	---	---	---	---	Moderate	Moderate	Moderate
17E: Hayesville	---	---	---	---	---	---	Moderate	Moderate	Moderate

Table K2. - Soil Features - Continued

Bedford County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
18B: Helena	---	---	---	---	---	---	---	High	High
18C: Helena	---	---	---	---	---	---	---	High	High
19B: Iredell	---	---	---	---	---	---	---	High	Low
19C: Iredell	---	---	---	---	---	---	---	High	Low
20B: Laidig	Fragipan	---	---	Weakly cemented	---	---	Moderate	Moderate	High
20C: Laidig	Fragipan	---	---	Weakly cemented	---	---	Moderate	Moderate	High
21D3: Madison	---	---	---	---	---	---	---	High	Moderate
21E3: Madison	---	---	---	---	---	---	---	High	Moderate
22D:									

Table K2. - Soil Features - Continued

Bedford County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
22D: Manteo	Bedrock (lithic)	10-20	---	Indurated	---	---	---	Low	High
22E: Manteo	Bedrock (lithic)	10-20	---	Indurated	---	---	---	Low	High
23B: Mattaponi	---	---	---	---	---	---	---	High	High
23C: Mattaponi	---	---	---	---	---	---	---	High	High
24B: Mecklenburg	---	---	---	---	---	---	---	High	Moderate
24C: Mecklenburg	---	---	---	---	---	---	---	High	Moderate
24D: Mecklenburg	---	---	---	---	---	---	---	High	Moderate
25C: Nason	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	Moderate	High
25D:									

Table K2. - Soil Features - Continued

Bedford County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
25D: Nason	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	Moderate	High
25E: Nason	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	---	Moderate	High
26C: Poindexter	Bedrock (paralithic)	20-40	---	Moderately cemented	---	---	---	Moderate	Moderate
	Bedrock (lithic)	40-60	---	Indurated					
26D: Poindexter	Bedrock (paralithic)	20-40	---	Moderately cemented	---	---	---	Moderate	Moderate
	Bedrock (lithic)	40-60	---	Indurated					
26E: Poindexter	Bedrock (paralithic)	20-40	---	Moderately cemented	---	---	---	Moderate	Moderate
	Bedrock (lithic)	40-60	---	Indurated					
27C: Sequoia	Bedrock (paralithic)	20-40	---	Strongly cemented	---	---	---	High	Moderate
27D: Sequoia	Bedrock (paralithic)	20-40	---	Strongly cemented	---	---	---	High	Moderate

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
28B: State	---	---	---	---	---	---	---	Moderate	High
29D: Sweetapple	Bedrock (paralithic)	20-40	---	Moderately cemented	---	---	---	Low	Moderate
	Bedrock (lithic)	---	---	Indurated					
29E: Sweetapple	Bedrock (paralithic)	20-40	---	Moderately cemented	---	---	---	Low	Moderate
	Bedrock (lithic)	---	---	Indurated					
30B: Tatum	Bedrock (paralithic)	40-60	---	Moderately cemented	---	---	---	High	High
	Bedrock (lithic)	---	---	Indurated					
30C: Tatum	Bedrock (paralithic)	40-60	---	Moderately cemented	---	---	---	High	High
	Bedrock (lithic)	---	---	Indurated					
30D: Tatum	Bedrock (paralithic)	40-60	---	Moderately cemented	---	---	---	High	High
	Bedrock (lithic)	---	---	Indurated					

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
31B: Thurmont	---	---	---	---	---	---	Moderate	Moderate	High
31C: Thurmont	---	---	---	---	---	---	Moderate	Moderate	High
31D: Thurmont	---	---	---	---	---	---	Moderate	Moderate	High
32A: Toccoa	---	---	---	---	---	---	---	Low	Moderate
Frequently flooded	---	---	---	---	---	---	---	---	---
33B: Turbeville	---	---	---	---	---	---	---	High	High
33C: Turbeville	---	---	---	---	---	---	---	High	High
33D: Turbeville	---	---	---	---	---	---	---	High	High
34B: Vance	Bedrock (paralithic)	40-60	---	Moderately cemented	---	---	---	High	High

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Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
34C: Vance	Bedrock (paralithic)	40-60	---	Moderately cemented	---	---	---	High	High
35D: Wateree	Bedrock (paralithic)	20-40	---	Moderately cemented	---	---	---	Low	High
	Bedrock (lithic)	40-60	---	Indurated					
35E: Wateree	Bedrock (paralithic)	20-40	---	Moderately cemented	---	---	---	Low	High
	Bedrock (lithic)	40-60	---	Indurated					
W: Water	---	---	---	---	---	---	---	---	---